



WHITE-RODGERS

Type 179
SPDT Heating/Cooling Room Thermostat
INSTALLATION INSTRUCTIONS

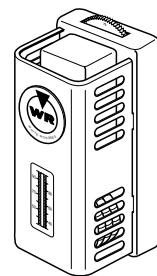
Operator: Save these instructions for future use!

**FAILURE TO READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY BEFORE
INSTALLING OR OPERATING THIS CONTROL COULD CAUSE PERSONAL
INJURY AND/OR PROPERTY DAMAGE.**

DESCRIPTION

These room thermostats are specially designed to control combination heating and cooling equipment that operates on line voltage.

These controls are suitable for fans or water solenoids on heating/cooling convectors or any similar application that requires a heavy duty room thermostat with single pole, double throw (SPDT) switch action.



PRECAUTIONS

NOTE

If in doubt about whether your wiring is millivolt, line, or low voltage, have it inspected by a qualified heating and air conditioning contractor or electrician.

Do not exceed the specification ratings.

All wiring must conform to local and national electrical codes and ordinances.

This control is a precision instrument, and should be handled carefully. Rough handling or distorting components could cause the control to malfunction.

This control has been accurately calibrated at the factory. Any attempt to calibrate this control will void the White-Rodgers warranty.

! CAUTION

To prevent electrical shock and/or equipment damage disconnect electric power to system at main fuse or circuit breaker box until installation is complete.

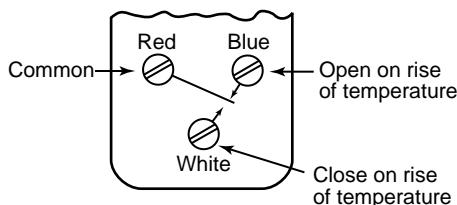
Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

Following installation or replacement, follow appliance manufacturer's recommended installation and/or service instructions to insure proper operation.

! WARNING

Do not use on circuits exceeding specified voltage. Higher voltage will damage control and could cause shock or fire hazard.

SPECIFICATIONS



Electrical Rating

A.C. Motor Rating	120 VAC	240 VAC
Full Load Current	7.4 A	3.7 A
Locked Rotor Current	44.5 A	22.2 A
Non-Inductive	24 A	20 A

These controls have a single pole, double throw (SPDT) snap action switch. The top left-hand terminal (red) is the common terminal. The top right-hand terminal (blue) has open-on-rise switch action. The bottom center terminal (white) has close-on-rise switch action.



WHITE-RODGERS DIVISION
EMERSON ELECTRIC CO.
9797 REAVIS ROAD
ST. LOUIS, MISSOURI 63123-5398

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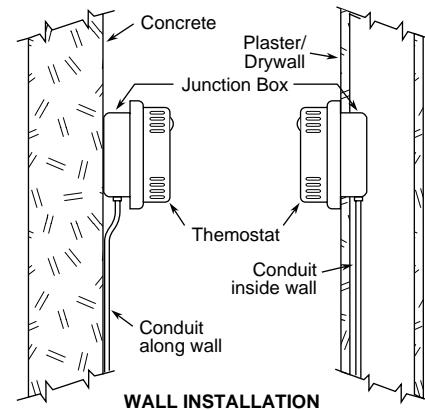
THERMOSTAT LOCATION

Proper location of the heavy duty room thermostat is very important to insure acceptable performance. The following general rules will help determine proper location:

1. **It is very important** to be sure that the thermostat is in an area where air circulates around it freely.
2. Never install the thermostat on or near an outside wall.
3. Do not locate the thermostat near windows or doors, or in any drafty area.
4. Don't install the thermostat where it will be affected by "false" heat sources (such as direct sunlight, a stove or any appliance exhaust, steam lines, etc.).
5. Mount the thermostat on a post or a partitioning wall, but be sure that there are no pipes, duct work or heat sources in that wall or directly behind it.
6. If the electrical conduit leads into a cooler or warmer room, plug the hole around the wires with fire-resistant insulation to prevent drafts.

If the thermostat is used with unit heaters, the following suggestions for locating the thermostat may be helpful (see fig. 2).

1. Position **A** in fig. 2 is acceptable if the thermostat is close enough to the unit heater so that the return air to the heater flows over the thermostat.
2. Position **B** is acceptable if it is not necessary to make frequent adjustments of the dial setting.
3. Position **C** is acceptable if it is sufficiently far from the heater that air flowing over the thermostat is not much above the average room temperature.
4. Position **D** is **not acceptable** because the post may prevent air from circulating over the thermostat.



The mounting plate for this thermostat has two holes $3\frac{5}{16}$ " apart for attaching the control on a standard switch box.

Figure 1

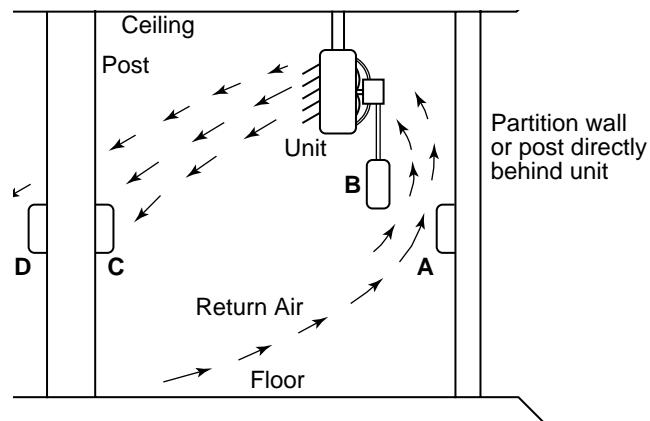
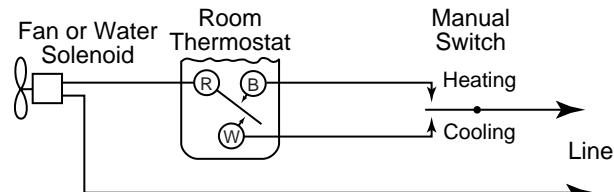


Figure 2

WIRING

All wiring should be done in accordance with local and national electrical codes and ordinances.

Follow the wiring instructions provided by the heating/cooling equipment manufacturer. If none are offered, a typical circuit application is shown at right.



OPERATION

To set the thermostat, simply move the dial so that the indicating line on the case points to the desired temperature setting on the dial.

